

TM 9-1970-2-35P

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

FIELD AND
DEPOT MAINTENANCE
AMMUNITION
GUIDED MISSILE
ANTIAIRCRAFT, M1
NIKE AJAX
REPAIR PARTS AND
SPECIAL TOOL LISTS

*HEADQUARTERS, DEPARTMENT OF THE ARMY
AUGUST 1957*

TECHNICAL MANUAL }
No. 9-1970-2-35P }

HEADQUARTERS,
DEPARTMENT OF THE ARMY
WASHINGTON 25, D. C., 21 August 1957

AMMUNITION:
GUIDED MISSILE, ANTIAIRCRAFT, M1, NIKE AJAX
REPAIR PARTS AND SPECIAL TOOL LISTS

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SECTION I

PREFACE

1. General

a. This manual lists the quantities of repair parts authorized for maintenance of specific components of GUIDED MISSILE, ANTIAIRCRAFT, M1, NIKE AJAX.

b. For prices of items see the appropriate manual of the SM 9-2-series supply manuals.

2. Explanation of Columns

a. *Federal Stock Number.* This column lists the number assigned by the Cataloging Division, Office of the Assistant Secretary of Defense (Supply and Logistics). The first four digits in the Federal stock number (FSN) indicate the Federal supply classification (FSC) in which the item belongs. The next seven digits comprise the Federal item identification number (FIIN). The Federal stock number will be used for requisitioning purposes in accordance with AR 708-15, and will be suffixed with the mission assignment code (MAC), e.g., 1336-123-4567: S008.

b. *Ordnance Stock Number or Mission Assignment Code.* This column lists the numbers used in supply operations prior to conversion to the Federal stock number. The mission assignment code (MAC) is used in supply channels to designate the responsible stock control point. The MAC normally is based on the first four digits of the applicable SNL assignment. Only those mission assignment codes for items listed in this manual are shown:

H001, H101, H002----RARITAN ARSENAL
(RA)

J029, S008, W014, REDSTONE ARSENAL
Y002, Y013 (RSA)

c. *Ordnance Part Number.* This column lists the number assigned to an individual part, subassembly, or assembly for identification of the item as used by the Ordnance Corps.

d. *Description.* The description includes the Federal item name and may include the type of material from which the item is made, the size, the

tolerance, and/or any other data necessary for complete identification of the item.

e. *Quantity Incorporated in Unit.* The quantity incorporated in unit column lists the actual quantity incorporated in the component for which the item is listed as a repair part.

f. *Unit of Issue.* The unit of issue column indicates the minimum quantity that will be supplied the using unit.

g. *Expendability.* Items not marked with the symbol NX are expendable as defined in AR 735-4.

h. *Illustration Number.* The illustration number column indicates the number of the figure in which the item or its application is shown.

3. Maintenance Allowances

a. The quantities shown in the quantity authorized columns are the quantities authorized to the various echelons to provide maintenance and supply support for 100 missiles for a 15-day period under combat conditions. Allowances are based on 100 missiles even though the total density may be less. The quantity authorized is determined by the use of a simple mathematical formula. For example, if the number of missiles supported is 30 and the allowance factor for 100 missiles is 2.5, the following formula would be used:

$$30 \times 2.5 \div 100 = .75$$

Since the resulting figure is larger than .5, that echelon is authorized a quantity of 1. If the number of missiles supported is 90 and the allowance factor is 2.5, the following formula would be used:

$$90 \times 2.5 \div 100 = 2.25$$

In this instance, that echelon is authorized a quantity of 2. A zero (0) in the allowance column indicates that the item is not authorized for stock, but that it may be requisitioned when needed for replacement.

b. Field maintenance allowances for 3d echelon

are the quantities authorized for initial requisition. Repair parts loads will be revised by the maintenance organization to conform to actual usage, and may be more or less than the quantities indicated herein.

c. Depot maintenance allowances for 5th echelon are stockage guides and do not establish mandatory maximum or minimum quantities for stockage. Recorded demand experiences will be used to compute future stockage objectives on the repair parts included in the basic load. Quantities of items on hand will be adjusted by the responsible Ordnance officer to meet local maintenance requirements based on the number of components to be maintained.

4. Abbreviations

al-alloy	aluminum alloy
alloy-S	alloy steel
a/r	as required
cd- or zn-pltd	cadmium or zinc plated
cd-pltd	cadmium plated
corr-res-S	corrosion resistant steel
cross-recess-rd-hd	cross recess round head
dbl	double
deg	degree
dia	diameter

hex-hd	hexagon head
id	inside diameter
in.	inch(es)
lg	long (length)
lt	light
M	model
mtg	mounting
N/A	next assembly
NF	American National Fine Thread
od	outside diameter
phos-ctd	phosphate coated
S	steel
std	standard
thk	thick(ness)
UNF	Unified Fine Thread
w	with (width)
w/	with

5. Suggestions and Recommendations

Notice of discrepancies and recommendations for additions and deletions of parts in this manual should be forwarded through command channels for transmittal to the Chief of Ordnance, Headquarters, Department of the Army, Washington 25, D. C., ATTN: ORDFM-Pub, with a statement of observed mortality, rate of replacement, and other pertinent information.

SECTION II

REPAIR PARTS AND SPECIAL TOOL LISTS

Federal stock No. and DOD code (1)	Ordnance stock No. or mission assignment code (2)	Ordnance part No. (3)	Description (4)	Quantity incorporated in unit (5)	Unit of issue (6)	Expendability (7)	Quantity authorized			Illustration No. (11)
							Echelons			
							3d (8)	4th (9)	5th (10)	
			GUIDED MISSILE, ANTIAIRCRAFT, M1 (NIKE AJAX)							1
			FIELD AND DEPOT MAINTENANCE ALLOWANCES							
			For BATTERY, STORAGE: BB401/U None authorized ¹							1
			For BODY, GUIDED MISSILE: M2 Series. None authorized ²							8
			For CONTAINER, SHIPPING, MISSILE, M326.							
5340-526-9663	Eng	76-0-50	SEAL, LEAD: 3/8-in. dia seal w/2 holes and No. 20 AWG wire, 0.05 dia x 6-in. lg. For EXPLOSIVE HARNESS ASSEMBLY, GUIDED MISSILE: M24 or M45 ^{1 3}	6	ea		50		100	
1336-344-2335	S008 (S8LBX)	P-83647	LEAD ASSEMBLY, No. 1: N/A-EXPLOSIVE HARNESS ASSEMBLY, M24.	1	ea		0		3	
1336-344-2336	S008 (S8LCX)	P-83647	LEAD ASSEMBLY, No. 5: N/A-EXPLOSIVE HARNESS ASSEMBLY, M24.	1	ea		0		3	
			For FIIN, JATO, GUIDED MISSILE: M12 None authorized ¹							
			For JATO UNIT, GUIDED MISSILE: M5 w/IGNITER, JATO, ELECTRIC: M24.							
8040-575-5272	S008	8030047	ADHESIVE: flashout, cold setting, (water cured) N/A-Attach, NOZZLE CLOSURE, 8030041 to JATO, 8025075.	a/r	ea		1		4	
5306-050-1813	H101	501813	BOLT, MACHINE: hex-hd, aircraft std, alloy-S, cd- or zn-pltd, 1/4-28UNF-3A x 25/32 N/A-Attach PLATE, 8026429 to LAUNCHING LUG, 8026420 and 8026421.	8	ea		4		8	4

For footnotes see page 11.

Federal stock No. and DOD code (1)	Ordnance stock No. or mission assignment code (2)	Ordnance part No. (3)	Description (4)	Quantity incorporated in unit (5)	Unit of issue (6)	Expendability (7)	Quantity authorized			Illustration No. (11)
							Echelons			
							3d (8)	4th (9)	5th (10)	
			For JATO UNIT, GUIDED MISSILE: M5 w/IGNITER, JATO, ELECTRIC: M24—Continued.							
5306-050-1811	H101	501811	BOLT, MACHINE: hex-hd, aircraft std, alloy-S, cd- or zn-pltd, $\frac{5}{16}$ -24UNF-3A x $1\frac{11}{32}$ N/A-Attach FWD LAUNCHING LUG, 8026420 to JATO, 8025075.	2	ea	-----	2	-----	4	4
5306-151-1284	H001	1511284	BOLT, MACHINE: hex-hd, aircraft std, alloy-S, cd- or zn-pltd, ⁴ $\frac{5}{16}$ -24UNF-3A x $1\frac{19}{32}$ N/A-Attach FWD LAUNCHING LUG, 8027420 to JATO, 8025075.	2	ea	-----	2	-----	4	4
5306-180-1483	H001	583751	BOLT, MACHINE: hex-hd, aircraft std, alloy-S, cd- or zn-pltd, $\frac{3}{8}$ -24UNF-3A x $1\frac{13}{64}$ N/A-Attach AFT LAUNCHING LUG, 8026421 to JATO, 8025075.	4	ea	-----	4	-----	8	4
5306-206-4539	H101	7601635	BOLT, MACHINE: hex-hd, aircraft std, alloy-S, cd- or zn-pltd, $\frac{1}{2}$ -20UNF-3A x $1\frac{31}{32}$ N/A-Attach FIN FITTING, 8026422 to FIN FITTING, 8026422.	3	ea	-----	3	-----	6	6
5306-333-0493	S008	8175043	BOLT, MACHINE: hex-hd, aircraft std, alloy-S, cd-pltd, ⁵ $\frac{1}{4}$ -28UNF-3A x $1\frac{5}{32}$ N/A-Attach SHROUD, 8026430 to JATO, 8025075.	4	ea	-----	2	-----	5	2
5306-333-0491	S008	8176311	BOLT, MACHINE: hex-hd, aircraft std, corr-res-S, $\frac{1}{16}$ -20UNF-3A x $1\frac{27}{32}$ N/A-Attach THRUST STRUCTURE, 8026424 to JATO, 8025075.	6	ea	-----	3	-----	6	
		8025032	BOLT, MACHINE: hex-hd, brass N/A-NOZZLE CLOSURE, 8025022. ⁶							
1336-333-0490	S008	8025044	BOLT, PLUG, JATO IGNITER No. 6-32NC-2A x $1\frac{1}{16}$ N/A-JATO HEAD ASSEMBLY, 8025012.	2	ea	-----	2	-----	6	9
1336-698-2570	S008	8141672	CAP ASSEMBLY, PRESSURE SEAL Consists of: 1-cap 1-nut N/A-JATO HEAD ASSEMBLY, 8025012.	1	ea	-----	0	-----	1	9
		8025037	CAP, THREADED PROTECTOR N/A-NOZZLE CLOSURE, 8025022. ⁶							
1336-525-3237	S008	8030041	CLIP, SPRING (See STRAP, RETAINING). CLOSURE ASSEMBLY, NOZZLE N/A-JATO, 8025075.	1	ea	-----	1	-----	4	5

For footnotes see page 11.

Federal stock No. and DOD code (1)	Ordnance stock No. or mission assignment code (2)	Ordnance part No. (3)	Description (4)	Quantity incorporated in unit (5)	Unit of issue (6)	Expendability (7)	Quantity authorized			Illustration No. (11)
							Echelons			
							3d (8)	4th (9)	5th (10)	
			For JATO UNIT, GUIDED MISSILE: M5 w/IGNITER, JATO, ELECTRIC: M24—Continued.							
		8025022	CLOSURE ASSEMBLY, NOZZLE N/A-JATO, 8025075. ⁶							
		8025035	CLOSURE, NOZZLE, JATO N/A-NOZZLE CLOSURE, 8025022. ⁶							
			CLOSURE, SHIPPING. (See PLUG, SHIPPING).							
1336-333-0501	S008	8025048	COVER, TERMINAL $\frac{5}{16}$ id, $\frac{1}{16}$ wall thickness N/A-JATO HEAD ASSEMBLY, 8025012.	4	ea	-----	4	-----	8	9
1336-338-6275	S008	8026422	FITTING, BOOSTER FIN MOUNTING N/A-JATO, 8025075.	3	ea	-----	3	-----	6	4
1336-512-5668	S008	8001105	FITTING, BOOSTER FIN MOUNTING N/A-JATO, 8025075. ⁷							
		8022564	FITTING, BOOSTER FIN MOUNTING N/A-JATO, 8025075. ⁸							
4730-289-1134	(Eng)	7952005	FITTING: (Union), tube, S, cd- or zn-pltd, flared type, 37 deg elbow, male union, bulkhead (AN832-4), ⁹ $\frac{3}{16}$ -20UNF-3 x $2\frac{3}{4}$, $\frac{1}{4}$ od tube N/A-JATO HEAD ASSEMBLY, 8025012.	1	ea	-----	0	-----	1	9
			GASKET. (See PACKING, PRE-FORMED.)							
1336-333-0508	S008	8025016	GASKET, HEAD, JATO UNIT: "O" ring, ¹⁰ 15.475 id, 0.210 dia N/A-JATO, 8025075.	1	ea	-----		-----	1	9
1336-337-0483	S008	8025103	GASKET, PLUG, CLOSURE N/A-SHIPING PLUG, 8025014.	1	ea	-----	1	-----	2	3
		8025038	GASKET, RUBBER N/A-NOZZLE CLOSURE, 8025022. ⁶							
		8025036	GASKET, THREADED CAP N/A-NOZZLE CLOSURE, 8025022. ⁶							
5325-050-2852	H002	502852	GROMMET, RUBBER: plain, $\frac{3}{16}$ id, $\frac{5}{16}$ od, $\frac{1}{16}$ wide mtg groove N/A-RESONANCE ROD ASSEMBLY, 8025087.	18	ea	-----		-----	9	10
1336-337-0485	S008	8025049	HARNESS ASSEMBLY, EXTERNAL N/A-JATO HEAD ASSEMBLY, 8025012.	1	ea	-----	1	-----	3	9
1336-337-0487	S008	8030004	HARNESS ASSEMBLY, INTERNAL N/A-JATO, 8025075.	1	ea	-----	0	-----	3	5, 9
		8025067	HARNESS ASSEMBLY, INTERNAL ¹¹ N/A-JATO, 8025075.							
1336-337-0494	S008	8025069	HEQD, JATO UNIT N/A-JATO HEAD ASSEMBLY, 8025012.	1	ea	-----		-----	0.5	2, 9

For footnotes see page 11.

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							Echelons			
							3d (8)	4th (9)	5th (10)	
			For JATO UNIT, GUIDED MISSILE: M5 w/IGNITER, JATO, ELECTRIC: M24—Continued.							
1336-332-3793	S008	8025047	INSULATOR, TEFLON N/A-JATO HEAD ASSEMBLY, 8025012.	2	ea	-----	2	----	4	9
1336-337-0496	S008	8026421	LUG, AFT LAUNCHING N/A-JATO, 8025075.	2	ea	-----	2	----	4	2, 4
		8001602	LUG, AFT LAUNCHING ¹² N/A-JATO, 8025075.							
1336-337-0497	S008	8026420	LUG, FORWARD LAUNCHING NA-JATO, 8025075.	2	ea	-----	2	----	4	2, 4
		8001601	LUG, FORWARD LAUNCHING ¹³ N/A-JATO, 8025075.							
		120375	NUT, PLAIN, HEXAGON N/A-NOZZLE CLOSURE, 8025022. ⁶							
5310-167-1345	Y002	8161462	NUT, PLAIN, HEXAGON: air-frame, S, phos-ctd, $\frac{5}{16}$ -24NF-3B N/A-Attach FWD LAUNCHING LUG, 8026420 to JATO, 8025075.	4	ea	-----	4	----	8	4
5310-022-5850	H101	225850	NUT, PLAIN, HEXAGON: alloy-S, cd- or zn-pltd, No. 10(0.190)-32NF-2B, $\frac{3}{8}$ -in. w, $\frac{11}{64}$ -in. thk N/A-RESONANCE ROD ASSEMBLY, 8025087.	18	ea	-----		----	9	10
5310-013-4530	H001	134530	NUT, PLAIN, HEXAGON: S, cd- or zn-pltd, ¹⁴ No. 6(0.138)-32NC-2B, $\frac{5}{16}$ -in. w, $\frac{7}{64}$ -in. thk N/A-JATO HEAD ASSEMBLY, 8025012.	2	ea	-----	2	----	4	9
5310-012-0369	H001	120369	NUT, PLAIN, HEXAGON: S, cd- or zn-pltd, ¹⁵ $\frac{3}{8}$ -24NF-3, $\frac{5}{16}$ -in. w, $\frac{21}{64}$ -in. thk N/A-Attach FIN FITTING, 8026422 to JATO, 8025075.	6	ea	-----	6	----	12	6
5310-012-0371	H001	120371	NUT, PLAIN, HEXAGON: S, cd- or zn-pltd, ¹⁶ $\frac{1}{2}$ -20UNF-2B, $\frac{3}{4}$ -in. w, $\frac{7}{16}$ -in. thk N/A-Attach FIN FITTING, 8026422 to FIN FITTING, 8026422.	3	ea	-----	3	----	6	6
5310-208-5769	Y013	8161473	NUT, S, flared tube, bulkhead and universal fitting, $\frac{7}{16}$ -20UNF-3 N/A-JATO HEAD ASSEMBLY, 8025012.	1	ea	-----	1	----	2	9
5310-050-3238	H001	503238	NUT, SELF-LOCKING, HEXAGON: S, cd- or zn-pltd ("Elastic Stop" type), No. 6(0.138)-32NC-3B, $\frac{5}{16}$ -in. w, $\frac{11}{64}$ -in. thk N/A-JATO HEAD ASSEMBLY, 8025012.	4	ea	-----	4	----	8	9

For footnotes see page 11.

Federal stock No. and DOD code (1)	Ordnance stock No. or mission assignment code (2)	Ordnance part No. (3)	Description (4)	Quantity incorporated in unit (5)	Unit of issue (6)	Expendability (7)	Quantity authorized			Illustration No. (11)
							Echelons			
							3d (8)	4th (9)	5th (10)	
			For JATO UNIT, GUIDED MISSILE: M5 w/IGNITER, JATO, ELECTRIC: M24—Continued.							
5310-050-3209	H101	503209	NUT, SELF-LOCKING, HEXAGON: S, cd- or zn-pltd ("Elastic Stop" type), No. 10(0.190)-32NF-3B, 3⁄8-in. w, 15⁄64-in. thk N/A-RESONANCE ROD ASSEMBLY, 8025087.	9	ea				2	10
5330-641-8643	H002	AN123963	PACKING, PREFORMED: fuel resistant 0.375 id, 0.562 od, 0.10 dia N/A-JATO HEAD ASSEMBLY.	1	ea		0		1	9
		546835	PACKING, PREFORMED N/A-NOZZLE CLOSURE, 8025022. ⁶							
1336-337-0489	S008	8026429	PLATE, LAUNCHING LUG N/A-JATO, 8025075.	4	ea		4		8	4
		8001075	PLATE, LAUNCHING LUG N/A-JATO, 8025075. ¹⁷							
1336-337-0480	S008	8025014	PLUG, SHIPPING, JATO N/A-JATO, 8025075.	1	ea		1		2	3
1336-333-0522	S008	8026309	PLUG, SHORTING (Electrical) N/A-HARNESS ASSEMBLY, 803004 and 8025067.	1	ea		1		2	
		8025034	RETAINER, JATO CLOSING PLUG N/A-NOZZLE CLOSURE, 8025022. ⁶							
1336-333-0552	S008	8025082	RING, RETAINING: steel N/A-JATO HEAD ASSEMBLY, 8025012.	1	ea				1	9
1336-337-0500	S008	8025031	ROD, RESONANCE: steel, 3⁄16-in. dia x 103.0 lg N/A-RESONANCE ROD ASSEMBLY, 8025087.	9	ea				2	10
			SCREW. (See BOLT.)							
1336-333-0531	S008	8026433	SCREW, BOOSTER FIN ATTACHING: S, cd- or zn-pltd, ¹⁸ 1⁄2-20UNF-3A x 4 N/A-JATO, 8025075.	3	ea		3		6	2, 6
5305-015-4953	H001	154953	SCREW, MACHINE: cross-recessrd-hd, S, plain finish, No. 6-32NC-2A x 3⁄16 N/A-JATO HEAD ASSEMBLY, 8025012.	1	ea		0		2	9
1336-337-0501	S008	8026430	SHROUD, BOOSTER N/A-JATO, 8025075.	1	ea		2		5	2
		8001123	SHROUD, BOOSTER ¹⁹ N/A-JATO, 8025075.							
1336-333-0537	S008	8025098	SPRING, HELICAL COMPRESSION: spring wire, 0.650 dia x 11 1⁄4 free length N/A-JATO, 8025075.	1	ea				1	9
		8025033	SPRING, TENSIONING BOLT N/A-NOZZLE CLOSURE, 8025022. ⁶							
1336-333-0555	S008	8025043	STRAP, RETAINING N/A-JATO HEAD ASSEMBLY, 8025012.	1	ea		0		2	9

For footnotes see page 11.

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							Echelons			
							3d (8)	4th (9)	5th (10)	
			For JATO UNIT, GUIDED MISSILE: M5 w/IGNITER, JATO, ELECTRIC: M24—Continued.							
1336-333-0556	S008	8026431	STUD, BOOSTER FIN ALIGNMENT N/A-JATO, 8025075 ²⁶ .	3	ea	-----	3	-----	6	2
1336-333-0557	S008	8026432	STUD, PLAIN: (BOOSTER FITTING), S, cd-pltd, N/A-JATO, 8025075.	6	ea	-----	2	-----	6	2
1336-337-0502	S008	8025086	SUPPORT, RESONANCE ROD N/A-RESONANCE ROD ASSEMBLY, 8025087.	1	ea	-----		-----	0.5	10
5310-772-5882	H101	7725882	UNION. (See FITTING.) WASHER, FLAT: aircraft, small, alloy-S, cd- or zn-pltd, 0.453 id, 0.750 od, 0.64 thk N/A-Attach THRUST STRUCTURE, 8026424 to JATO, 8025075.	6	ea	-----	2	-----	4	2
5310-012-0391	H001	120391	WASHER, FLAT: S, cd- or zn-pltd, $\frac{1}{32}$ id, $\frac{1}{2}$ od, 0.49 thk N/A-RESONANCE ROD ASSEMBLY, 8025087.	36	ea	-----		-----	18	10
5310-050-2220	H001	502220	WASHER, FLAT: S, cd- or zn-pltd, $\frac{1}{64}$ id, $\frac{1}{2}$ od, 0.031 thk N/A-Attach SHROUD, 8026430 to JATO, 8025075.	4	ea	-----	2	-----	5	2
5310-050-2204	H101	502204	WASHER, FLAT: S, cd- or zn-pltd, $\frac{25}{64}$ id, $\frac{5}{8}$ od, 0.064 thk N/A-Attach FIN FITTING, 8026422 to JATO, 8025075.	6	ea	-----	3	-----	6	6
5310-050-2268	H101	502268	WASHER, FLAT: S, cd- or zn-pltd, $\frac{3}{64}$ id, $\frac{1}{8}$ od, $\frac{1}{16}$ thk N/A-Attach FIN FITTING, 8026422 to FIN FITTING, 8026422.	3	ea	-----	3	-----	6	6
1336-333-3782	S008	8025045	WASHER, IGNITER HEAD BOLT, 0.156 id, 0.375 od, 0.062 thk N/A-JATO HEAD ASSEMBLY, 8025012.	2	ea	-----	2	-----	4	9
5310-012-0381	H001	120381	WASHER, LOCK: split, lt, S, cd- or zn-pltd, $\frac{3}{8}$ -in. bolt size N/A-Attach FIN FITTING, 8026422 to JATO, 8025075.	6	ea	-----	3	-----	6	6
5310-012-0239	H001	120239	WASHER, LOCK: split, lt, S, cd- or zn-pltd, $\frac{1}{2}$ -in. bolt size N/A-Attach FIN FITTING, 8026422 to FIN FITTING, 8026422.	3	ea	-----	3	-----	6	6
For MISSILE FINS None authorized ²										

For footnotes see page 11.

Federal stock No. and DOD code (1)	Ordnance stock No. or mission assignment code (2)	Ordnance part No. (3)	Description (4)	Quantity incorporated in unit (5)	Unit of issue (6)	Expendability (7)	Quantity authorized			Illustration No. (11)
							Echelons			
							3d (8)	4th (9)	5th (10)	
			For NITRIC ACID, GUIDED MISSILE ²⁰							
8110-091-9764	W014	8025338B	CAP, ALUMINUM DRUM N/A-DRUM, 8025336.	1	ea	-----	0	-----	2	
5330-091-8768	W014	8025340	GASKET N/A-CAP, 8025338B and DRUM, 8025336.	1	ea	-----	0	-----	2	
			For PROPELLANT MIXTURE, GUIDED MISSILE ²¹ None authorized							
			For SAFETY AND ARMING DEVICE GUIDED MISSILE ^{1 3} None authorized							7
			For STARTING MIXTURE, GUIDED MISSILE: UDMH None authorized							
1336-337-0493	S008	8026426	For THRUST STRUCTURE, JATO, GUIDED MISSILE: M2 ²³ CUSHION, WOOD, BOOSTER THRUST ²⁴ Consisting of: 1-ring, 8026427 6-buffer, 8026428 N/A-THRUST STRUCTURE, 8026424.	1	ea	-----	0	-----	2	2
5310-050-3351	H001	503351	NUT, SELF-LOCKING, HEXAGON: S, cd-or-zn-pltd, 3/8-24UNF-3B, 9/16-in. w, 29/64-in. thk (critical installation) N/A-THRUST STRUCTURE, 8026424.	1	ea	-----	0	-----	2	2
1336-333-0517	S008	8026423	PIN, BOOSTER ALIGNING: S, threaded, cd-pltd, 3/8-24UNF-3A x 2 1/4 N/A-THRUST STRUCTURE, 8026424.	1	ea	-----	0	-----	2	2
		8001058	PIN, BOOSTER ALIGNING ²⁷ N/A-THRUST STRUCTURE, 8026424.							
5310-760-1704	H101	7601704	WASHER, FLAT: al-alloy, plain finish, 0.390 id, 0.625 od, 0.064 thk N/A-THRUST STRUCTURE, 8026424.	1	ea	-----	0	-----	2	2
			For WARHEAD, GUIDED MISSILE: M2 (T26E4) None authorized							7
			For WARHEAD, GUIDED MISSILE: M3 (T37E3)							7
1336-512-5661	S008	P-85931-A1	INITIATOR ASSEMBLY N/A-WARHEAD, M3 (T37E3).	1	ea	-----	0	-----	2	

For footnotes see page 11.

Federal stock No. and DOD code	Ordnance stock No. or mission assignment code	Ordnance part No.	Description	Quantity incorporated in unit	Unit of issue	Expendability	Quantity authorized			Illustration No.
							Echelons			
							3d	4th	5th	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1336-512-5662	S008	P-85931-B1	For WARHEAD, GUIDED MISSILE: M4 (T38E3) INITIATOR ASSEMBLY N/A-WARHEAD, M4 (T38E3).	1	ea		0		2	7
8040-281-1974			SPECIAL TOOLS AND EQUIPMENT FOR ORDNANCE MAINTENANCE PERSONNEL CEMENT, WEATHERPROOF, (MIL-A-397) 1/2 pint can.							
			REMOVER, HEAD, JATO, M5 ²⁵							
5120-224-7592		41-P-2745-500	NEUTRALIZER, OXIDIZING AGENT, PERSONNEL, PORTABLE, EMERGENCY. PRESS, LEAD SEAL, HAND: dble jaw, w/initials US on one jaw die and ORD insignia (Flaming Bomb) on other jaw die.							
4935-509-2218	J029	8169394	SHOP SET (SPECIAL), INSPECTION AND CLASSIFICATION, MISSILE (NIKE AJAX). For components of this set, see ORD 6 SNL J-29, Section 2.							
5120-333-0476	S008	8025068	WRENCH, SPANNER, PIN TYPE RACK, HOLDING, JATO, M5. ²⁵ RAM, GRAIN ASSEMBLY, JATO, M5. ²⁵ TROUGH, GRAIN, SUPPORT, JATO, M5. ²⁵							

¹ Replacements for ammunition components of complete round not listed herein, may be requisitioned from the National Stock Control and Maintenance Point for Guided Missile Ammunition, Redstone Arsenal, Attention: ORDDW-NEC.

² See ORD 8 SNL Y-2 for list of authorized repair parts.

³ EXPLOSIVE HARNESS, M24 is used *only* with SAFETY AND ARMING DEVICE, M27; EXPLOSIVE HARNESS, M45 is used *only* with SAFETY AND ARMING DEVICE, M30 and M30A1.

⁴ Stock number formerly was Y002-1511284.

⁵ Formerly listed as Y002-8175043 with FSN 5305-174-4107.

⁶ CLOSURE, NOZZLE ASSEMBLY, 8025022 and all related parts are superseded by CLOSURE, NOZZLE ASSEMBLY, 8030041.

⁷ Used on JATO, M5 up to and including serial number 2000; exhaust to FITTING, 8026422.

⁸ Formerly listed as Y002-8022564; exhaust to FITTING, 8026422.

⁹ Listed formerly as UNION, STEEL, 9403252, with stock number H006-9403252.

¹⁰ Silicone rubber, AMS 3305, No. 180 *only* to be used; other materials not acceptable.

¹¹ Item is superseded by HARNESS ASSEMBLY, 8030004.

¹² Item is superseded by LUG, 8026421.

¹³ Item is superseded by LUG, 8026420.

¹⁴ Formerly carried stock number 43-N-4742-50.

¹⁵ Item replaces NUT, 121932, shown on drawings.

¹⁶ Item replaces NUT, 121695 shown on drawings.

¹⁷ Item is superseded by PLATE, 8026429.

¹⁸ Identified formerly as BOLT, 8014152, with stock number Y002-8014152.

¹⁹ Item is superseded by SHROUD, 8026430.

²⁰ DRUM, 8025336, is available for replacement if required; see Note 1 above.

²¹ Identified formerly as FUEL, ROCKET ENGINE: M3.

²² Identified formerly as UNSYMMETRICAL DIMETHYLHYDRAZINE.

²³ Formerly identified as FITTING ASSEMBLY, BOOSTER THRUST, Y002-8001053.

²⁴ Formerly identified as CUSHION, Y002-8014417.

²⁵ Queries as to availability of this tool should be forwarded to the Commanding General, Redstone Arsenal, Huntsville, Ala., ATTN: ORDDW-NEC.

²⁶ Superseded STUD, 8001143.

²⁷ Item is superseded by PIN, 8026423.

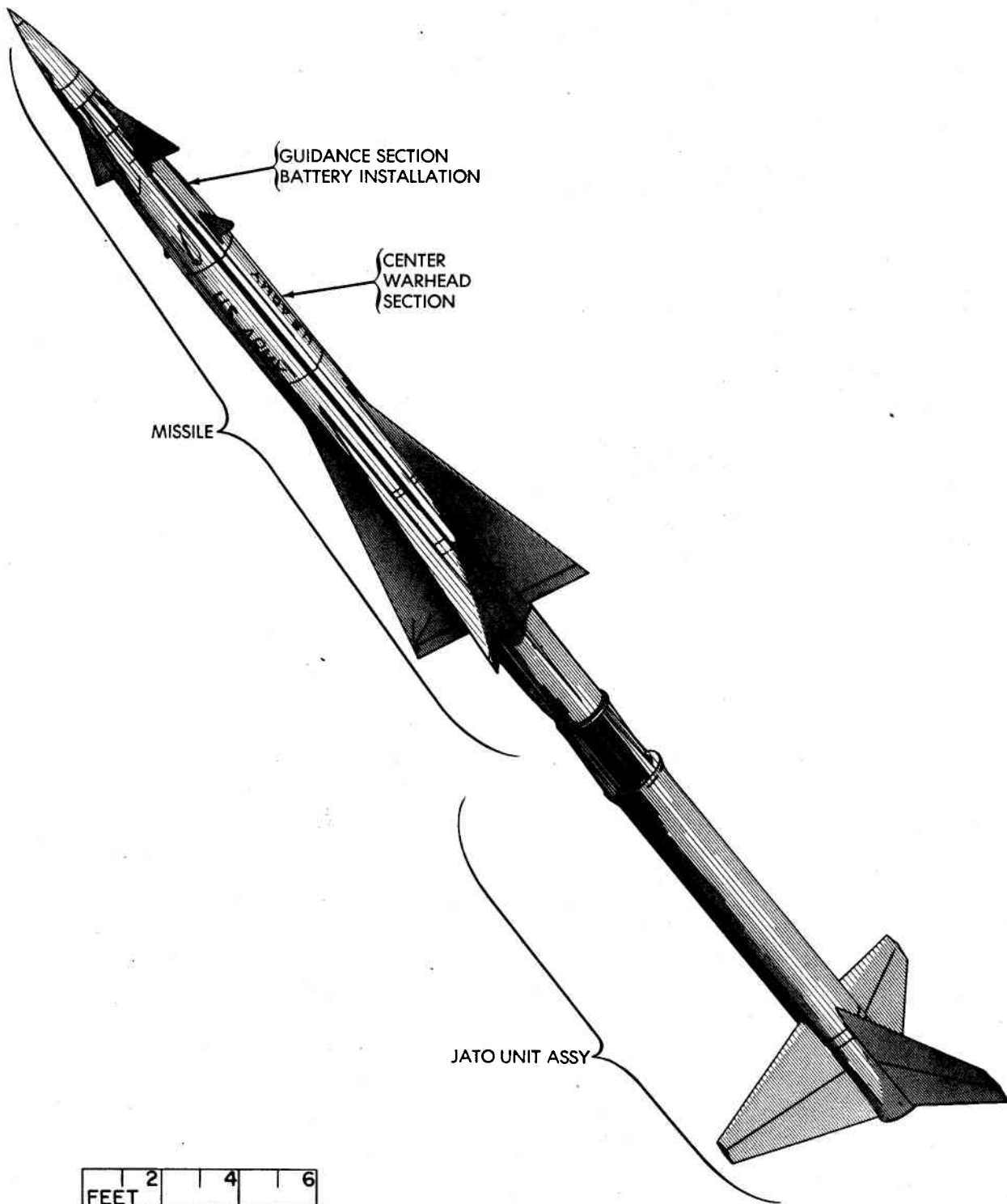


Figure 1. NIKE AJAX, complete round.

RA PD 435125

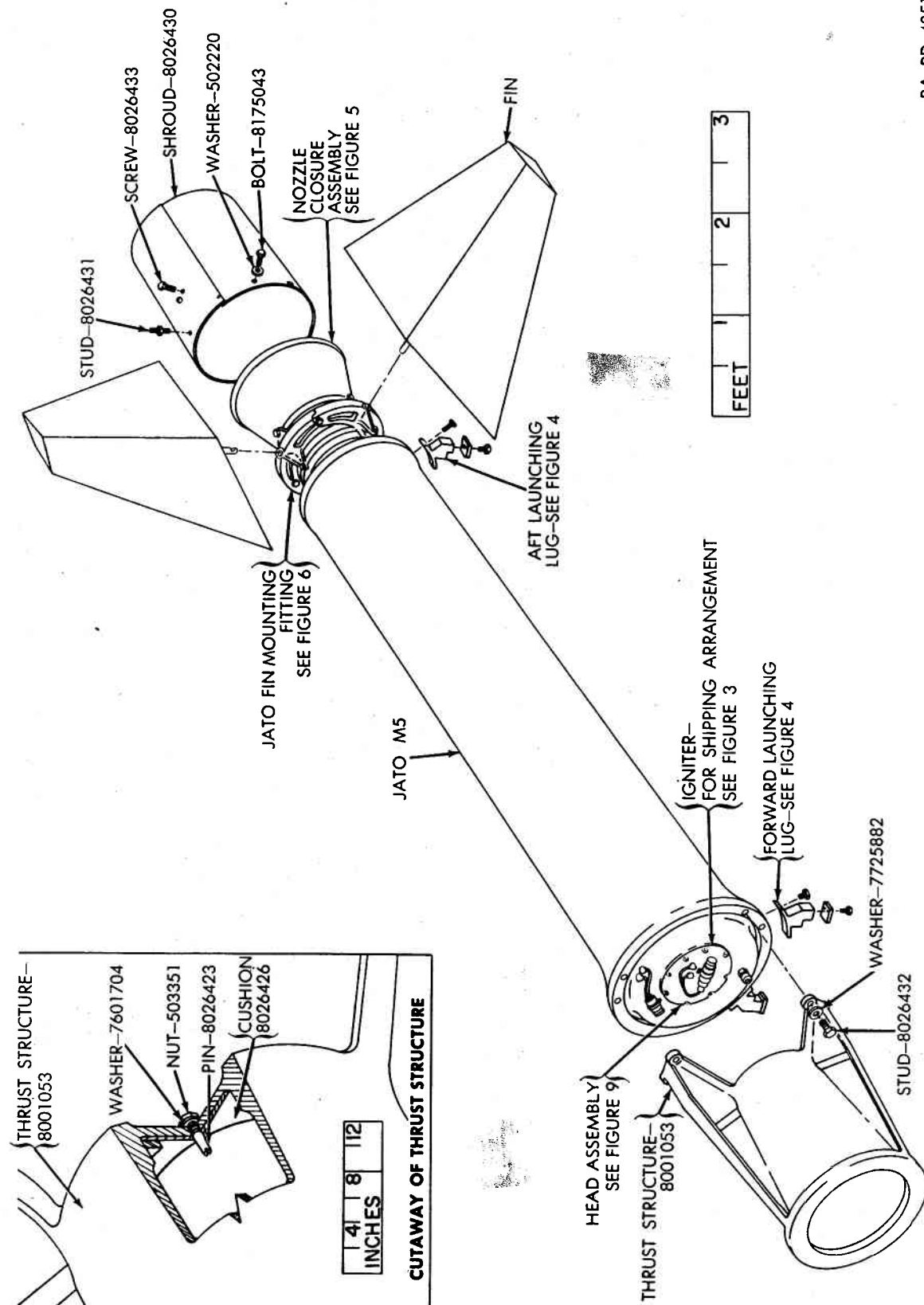
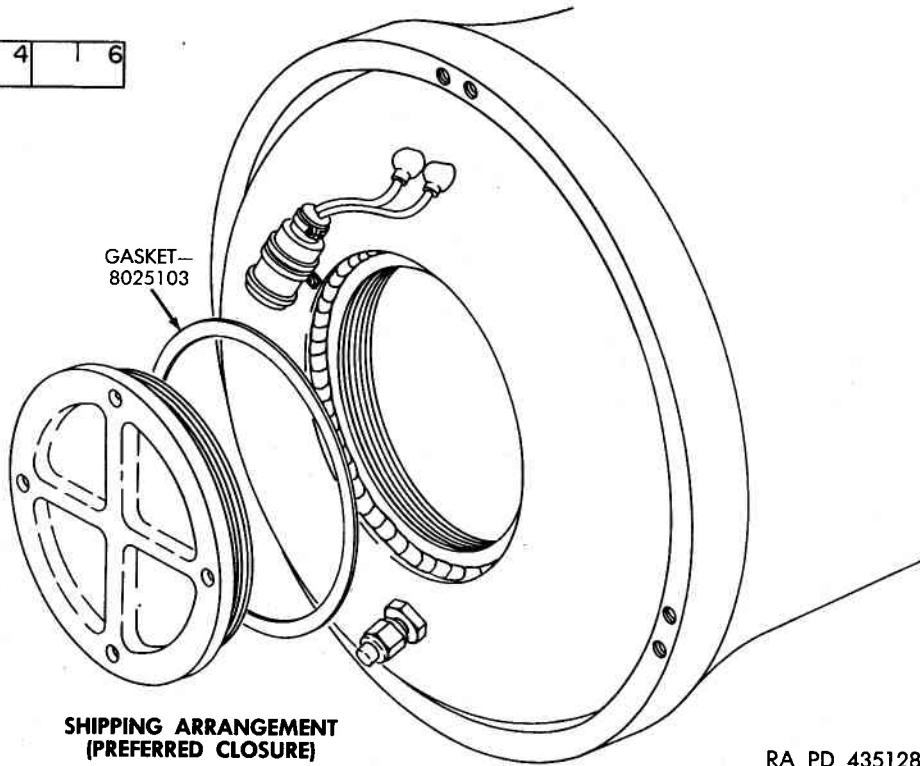
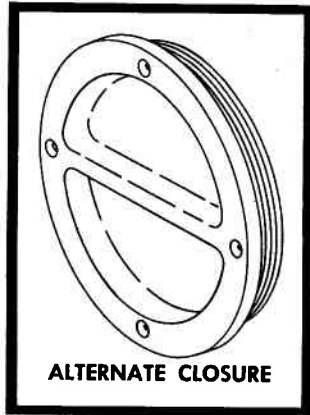


Figure 2. JATO, M5.

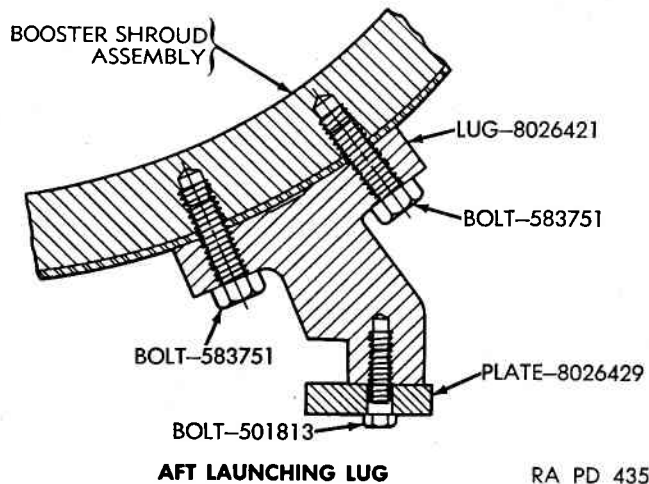
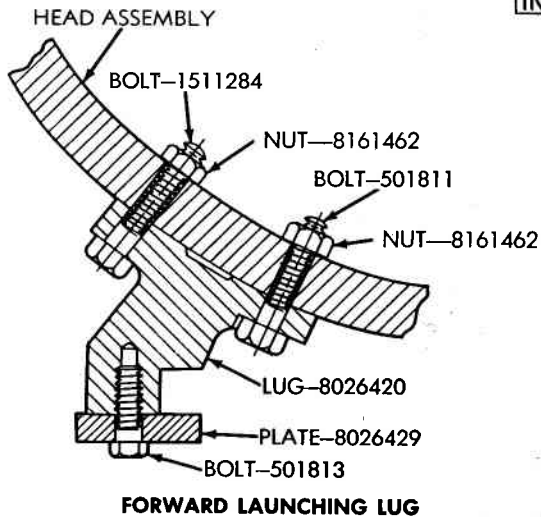
INCHES 2 4 6



RA PD 435128

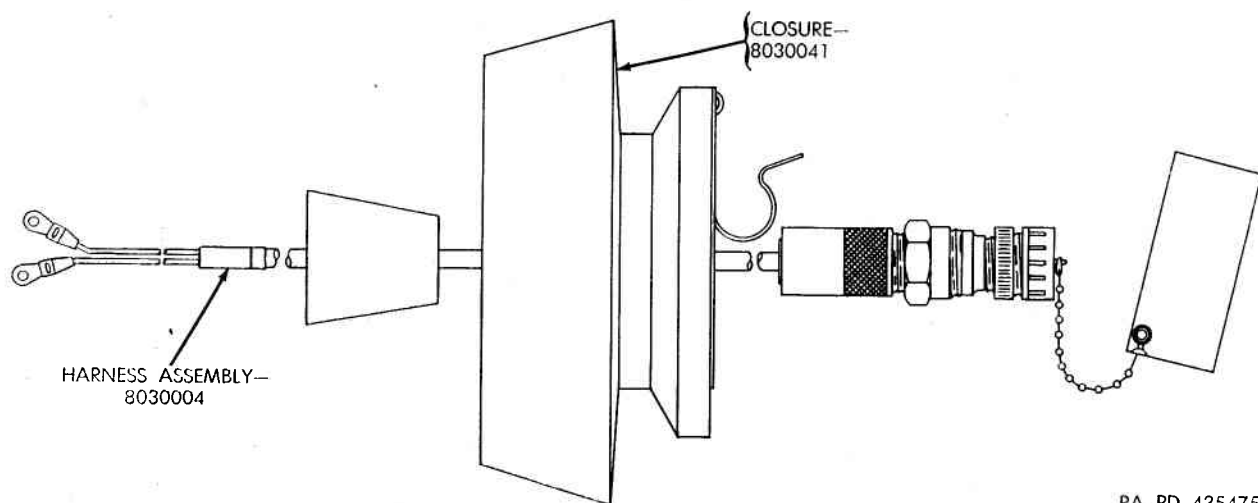
Figure 3. Shipping plug for JATO, M5.

INCHES 1 2 3



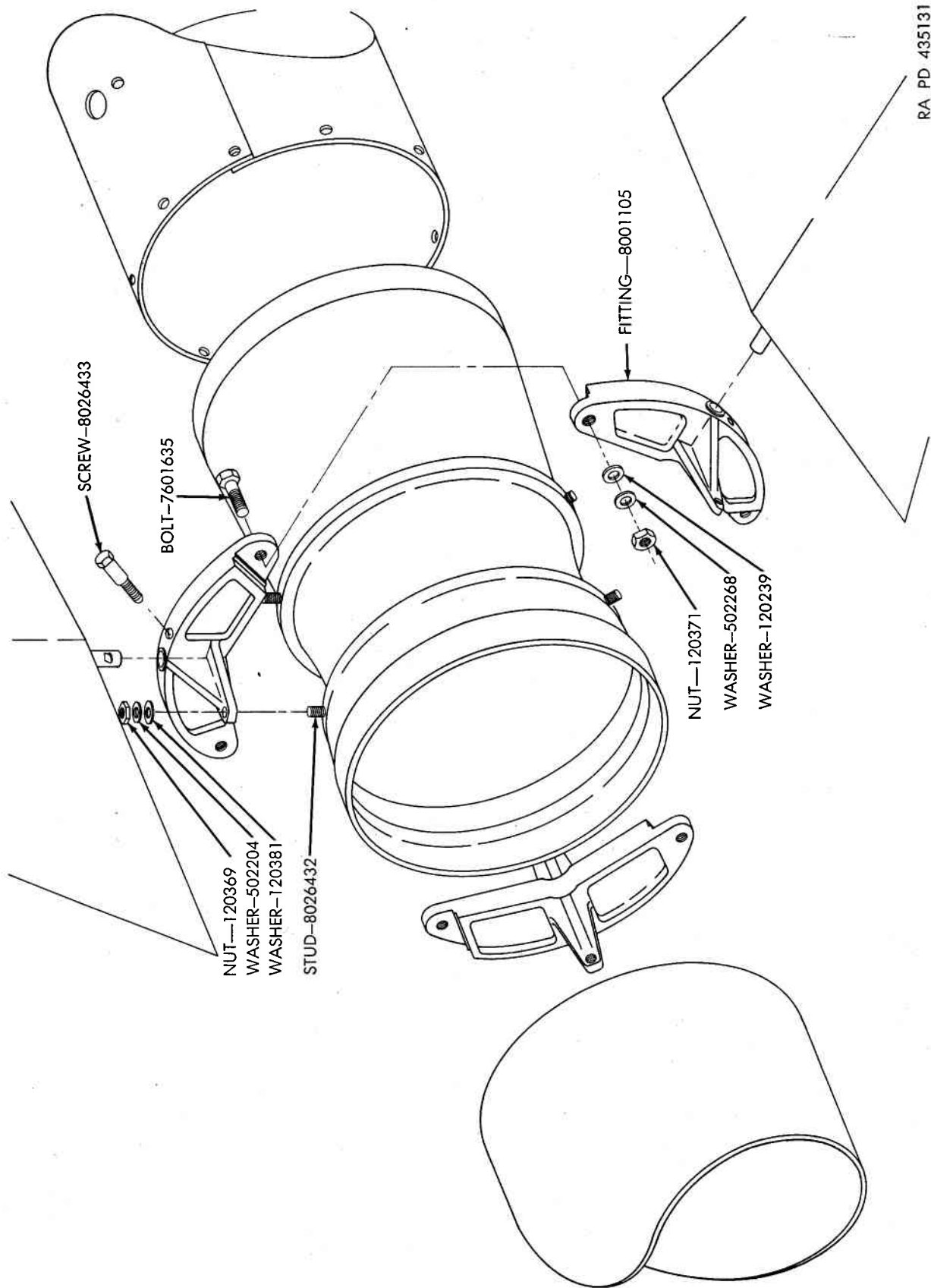
RA PD 435129

Figure 4. Launching lugs for NIKE AJAX.



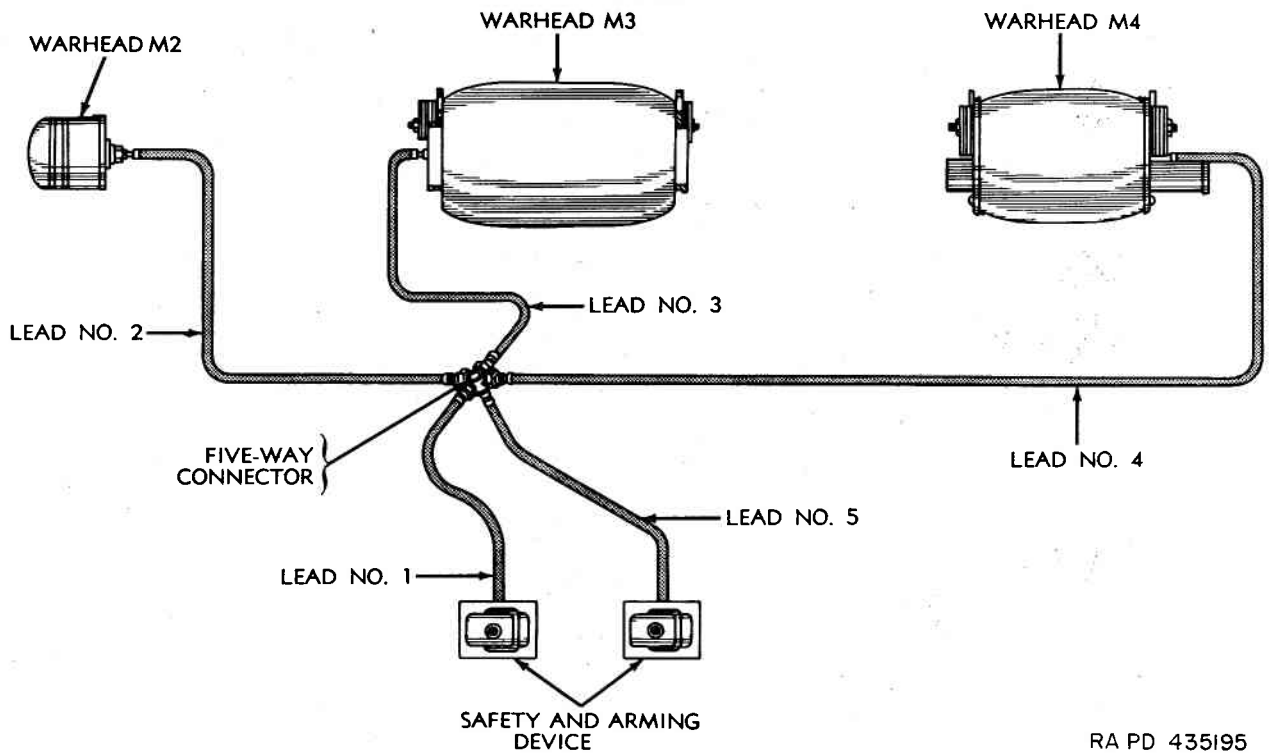
RA PD 435475

Figure 5. Nozzle closure assembly for JATO, M5.



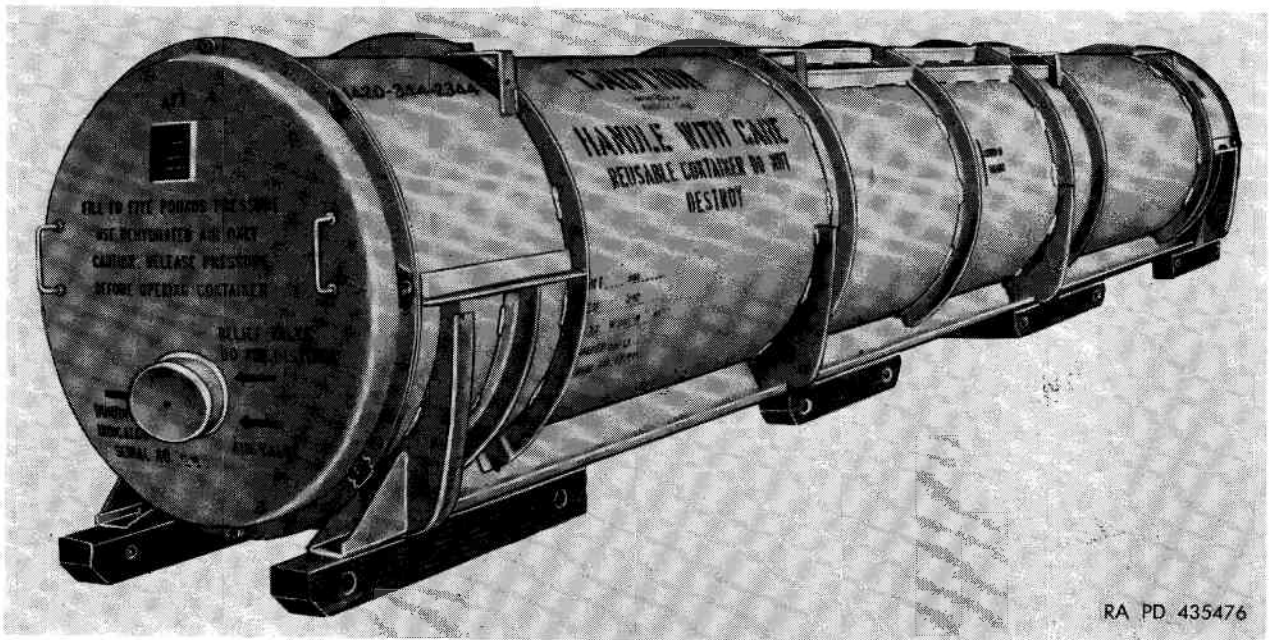
RA PD 435131

Figure 6. Pin fitting assembly for JATO, M5.



RA PD 435195

Figure 7. Explosive harness assembly for NIKE AJAX.



RA PD 435476

Figure 8. Container, M326, for NIKE AJAX body.

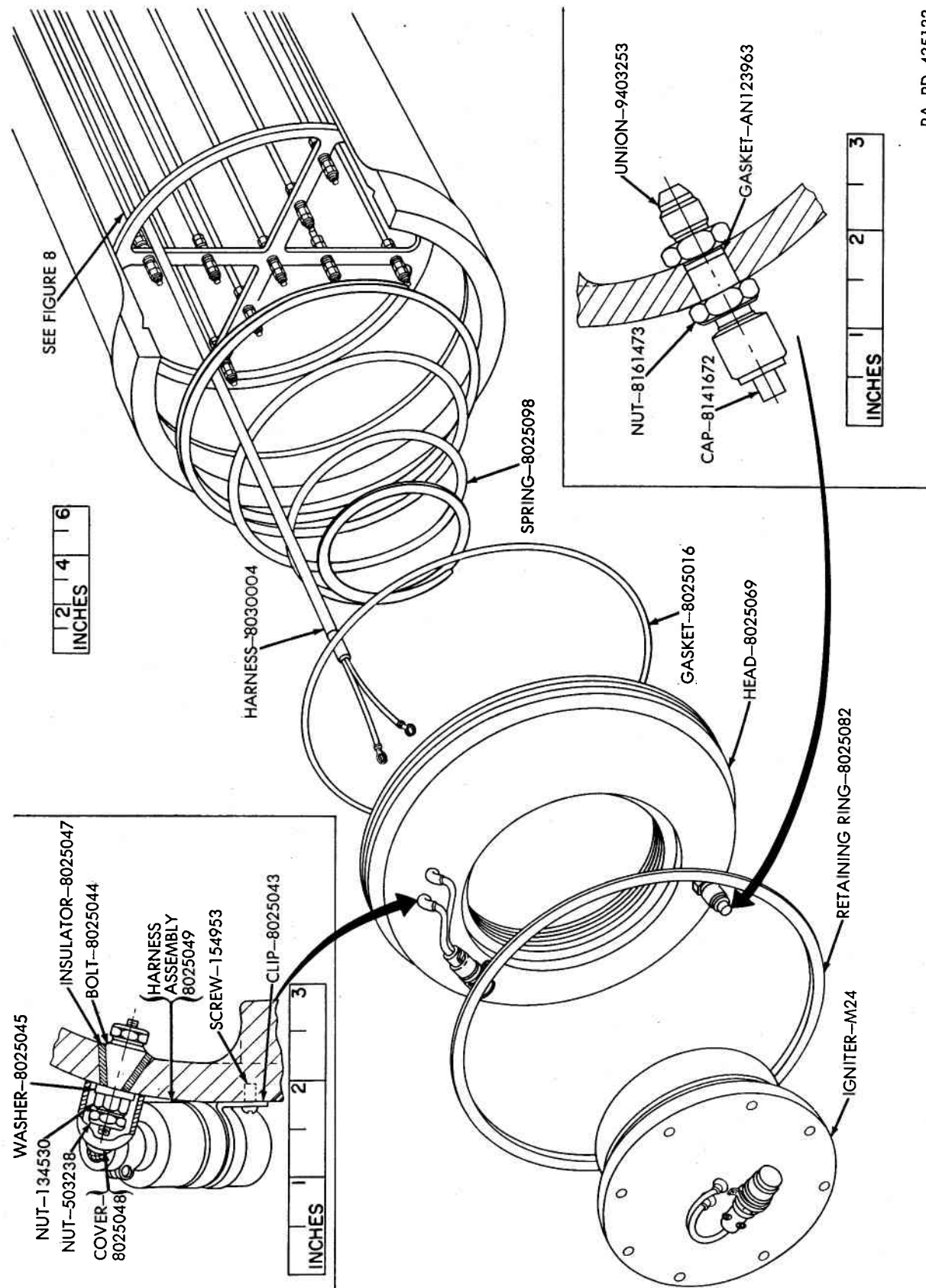


Figure 9. JATO, M5, head assembly.

RA PD 435133

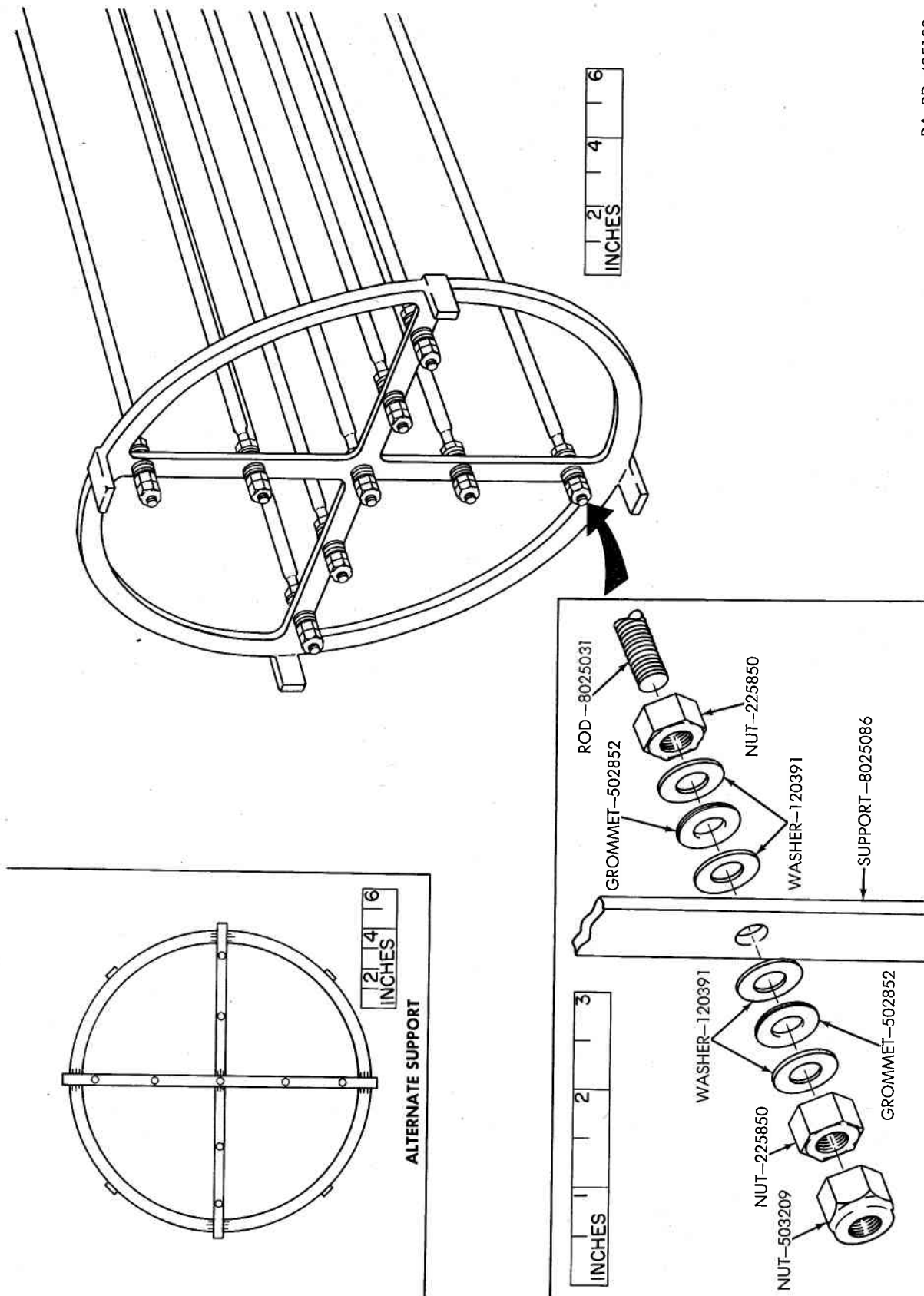


Figure 10. Resonance rod assembly for JATO, M5.

By Order of *Wilber M. Brucker*, Secretary of the Army:

MAXWELL D. TAYLOR,
General, United States Army,
Chief of Staff.

Official:

HERBERT M. JONES,
Major General, United States Army,
The Adjutant General.

Distribution:

Active Army:

DCSLOG
CNGB
ASA
Technical Stf, DA
Ord Bd
USCONARC
USA Arty Bd
USA Armor Bd
USA Inf Bd
USA Air Def Bd
USA Abn & Elet Bd
USA Avn Bd
US ARADCOM
USA Air Def Rgn Comd
OS Maj Comd
Ord Ammo Comd
Fld Comd, AFSWP
MDW
Armies
Corps
Div
Ord Gp
Ord Bn
Ord Co
Ft & Camps
Svc Colleges
Br Svc Sch
PMST Sr Div Ord Units
Gen Depots
Ord Sec, Gen Depots
Ord Depots

Ports of Emb (OS)
Trans Terminal Comd
Army Terminals
OS Sup Agey
Ord PG
Ord Arsenals
Mil Dist
Ord Proc Dist
MAAG
Mil Mis
JBUSMC
JUSMAG (Greece)
Units org under fol TOE:
9-12
9-17
9-45
9-46
9-47
9-57
9-227
9-229
9-500 (DD)
9-510 (FA)
19-177
44-145
44-146
44-147
44-445
44-446
44-447
44-448

NG: State AG; units—same as Active Army.

USAR: None.

For explanation of abbreviations used, see AR 302-50.

TM 9-1970-2-35P AMMUNITION GUIDED MISSILE ANTIAIRCRAFT; M1 NIKE AJAX REPAIR PARTS AND
SPECIAL TOOL LISTS—1957